USER'S MANUAL
MANUEL DE L'UTILISATEUR
MANUAL DEL USUARIO

WB55F1D1
WB65F1D1
WB70F1D1

Interactive White Board

Owner's Operating Manual

Before operating the unit, please read this manual thoroughly,
and retain it for future reference.

Contents

⚠ Safety Warning

Before operating the unit, please read this manual thoroughly,

and retain it for future reference.

Placement

Do not place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.
Do not expose the unit to direct sunlight and other sources of heat.
Do not place the unit near appliances that create magnetic fields.
Do not handle liquids near or on the unit.
Never spill liquid of any kind into the unit
Do not put heavy objects on top of the unit.

Power Supply

Check that the unit's operating voltage is identical with your local power supply.
Please unplug power supply and aerial plug during a thunder (lightening) storm.
Please unplug power supply, when there is nobody at home or not using over a long period of time.
Please protect power cord from any physical or mechanical damage.
Please use power cord provided, don't modify or lengthen it.
Please check and ensure AC source is grounded.
For 55/65/70/84 inch Display equipment: Fuse rating in inlet is 6.3A, 250 VAC.

LCD Screen

Never use any other tough or sharp object to replace with the original touch-write pen.
Unplug the power supply before cleaning.
Clean the screen with a soft dustless dry cloth.
Never use water or detergent to clean the unit.
For deep clean, contact an authorized service center.
Please don't display the high brightness image on the screen for a long time.

Observation Distance

The best distance between audience and screen is 5-7 times that of screen size diagonally.
The best watching angle between audience and screen is within 176 degrees.

Temperature

Do not place the unit near a radiator or heater.
If your unit is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours allowing the moisture that may have formed inside the unit to dry.
Normal operating temperature is 0~40℃, storage temperature is -20~60℃

Humidity

Do not expose machine to rain, damp area or place near water.

Ensure the indoor operating humidity is 10~90%, storage humidity is 10~95%.

Ventilation

Keep all ventilation openings clear.

Ensure that the unit has enough space for ventilation around: left, right and back >10cm, top> 20cm.

Earphone

Prolonged use of earphone with louder sound can affects your hearing.

Before using earphone, please turn down the sound volume.

Standby

Standby mode will not turn off the unit.

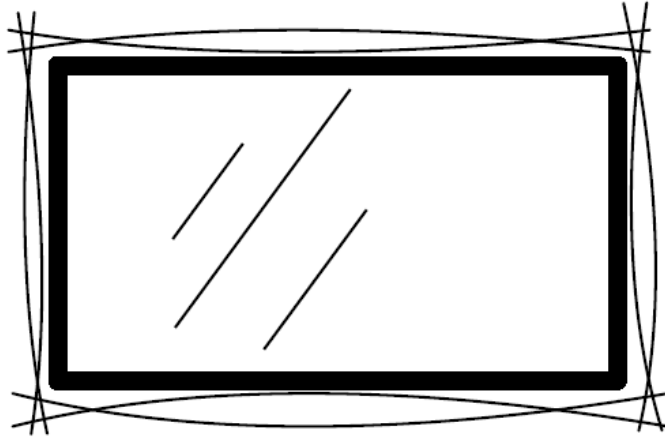Double click standby key in order to activate standby mode.

Battery

Properly maintain the batteries and recycle the used batteries.

CAUTION

This is a Class A product, there may be a possibility to cause radio interference.

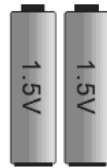# Installations

Open your package

1) Checking parts:
Warranty Card, Quick Use, Remote Control, Power Cord, VGA/USB/Audio/AV/YPBPR cables, Batteries, hand-write-touch-pen and CD

Warranty Card
Quick Use Guide,
Qualified Certification

Handwritten pen

Batteries

Remote control

Power Cord

VGA Cable

AUDIO OUTPUT Cable
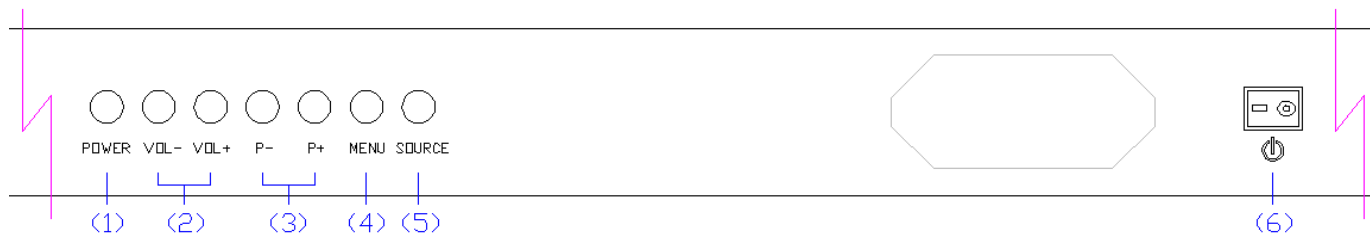
YPbPr INPUT Cable

VIDEO INPUT Cable

DVD

2).The mobile bracket (matched) takes material object as the standard

3).The wall bracket (matched) takes material object as the standard

2) Installation

1).Please read "Mobile Bracket Installing Instruction" while installing.

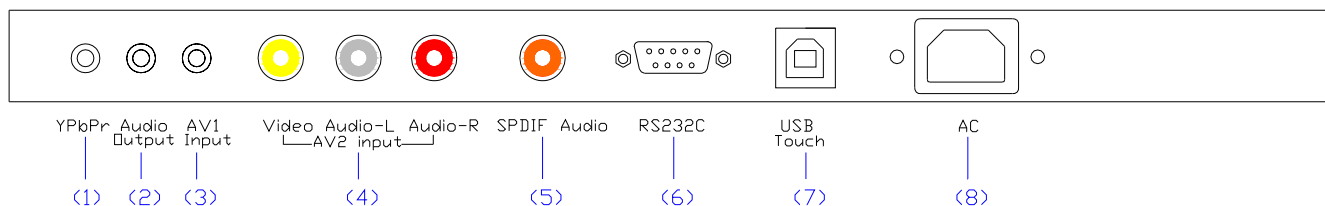2).Please read "Wall Bracket Installing Instruction" while installing.
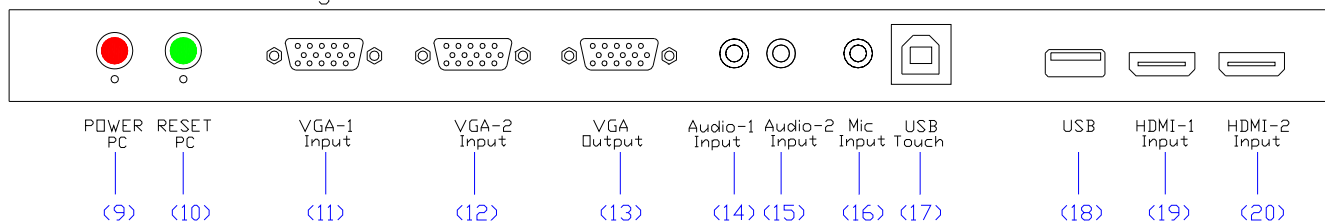
Control Panel (located at the Front panel)

POWER VOL- VOL+   P-   P+   MENU SOURCE

（1） （2）   （3） （4）（5）   （6）

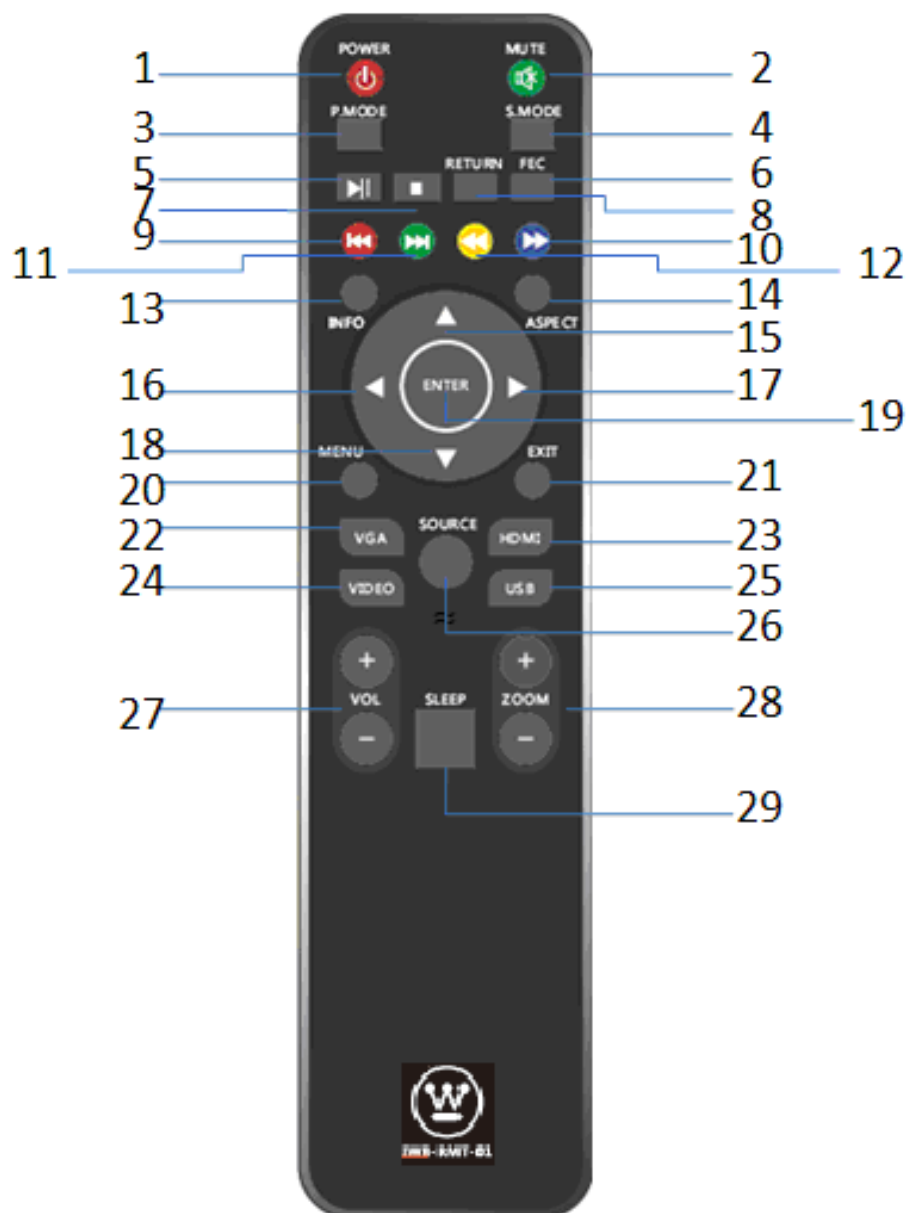| ①power	Display power on/off
②VOL+/-	Sound Volume adjustment
③P+/-	Menu Position up/down
④MENU	To display MENU image
⑤Source	To switch INPUT source
⑥	Power on/off 1 (one): ON, 0 (zero): OFF

Input/Output Terminals

Rear-bottom terminals

YPbPr Audio AV1   Video Audio-L Audio-R   SPDIF Audio   RS232C   USB   AC
       Output Input   └─AV2 input─┘   Touch

（1） （2） （3）   （4）   （5）   （6）   （7）   （8）

Right-side terminals

POWER RESET   VGA-1   VGA-2   VGA   Audio-1 Audio-2 Mic   USB   USB   HDMI-1 HDMI-2
 PC   PC   Input   Input   Output   Input   Input Input Touch   Input   Input

（9） （10）   （11）   （12）   （13）   （14）（15） （16）（17）   （18）   （19）   （20）

① YPbPr	YPbPr signal input　(DVD, set -top -box with YPbPr output etc)
② AUDIO OUT	Earphone or to another external Audio equipment
③ AV-1 IN	Composite video and Audio signals (R-L)
④ AV-2 IN	Composite Video and Audio signals (R-L) by RCA terminals
⑤ SPDIF-audio	Digital sound signal interface
⑥ RS232	Serial interface, Used for transfer data/commands
⑦ USB	USB terminal (Touch panel) the same to #16
⑧ POWER	Power Inlet
⑨ POWER PC	Turn ON/OFF the internal PC power (if installed)
⑩ RESET PC	Suspend all programs currently running, the system re-start
⑪ VGA-1 IN	Analog RGB-1 input
⑫ VGA-2 IN	Analog RGB-2 Input
⑬ VGA OUT	VGA output
⑭ Audio-1 IN	Audio-1 input　(related to VGA-1 input)
15 Audio-2 IN	Audio-2 input　(related to VGA-2 input)
16 Mic IN	Microphone input
17 USB	USB terminal　(touch panel) the same to #7
18 USB	USB terminal for other peripheral such as mouse, hard-disk
19 HDMI-1 IN	High Definition Multimedia Interface-1
20 HDMI-2 IN	High Definition Multimedia Interface-2

5 Remote control

POWER
MUTE
1
2
P.MODE
S.MODE
3
4
RETURN FEC
5
6
7
8
9
10
11
12
13
14
INFO
ASPECT
15
16
17
ENTER
19
18
MENU
EXIT
20
21
SOURCE
22
VGA
HDMI
23
24
VIDEO
USB
25
26
VOL
SLEEP ZOOM
27
28
29

Remote Control Buttons` Function Description

|		
1	POWER	Power supply switch, Turn on and off the AC source
2	MUTE	Mute ON/OFF.
3	P.MODE	Picture mode selection
4	S.MODE	Sound Mode selection.
5	▶⏸	Play/Pause
6	FEC	Close the LCD screen only listen to the current sound
7	⏹	Stop the current playback
8	RETURN	Return to previous channel
9	⏮	Previous/reverse
10	⏩	Fast forward
11	⏭	Next track
12	⏪	Fast reverse
13	INFO	Shows the current signal source information
14	ASPECT	The image display is switched between 16:9 and 4:3 picture modes
15	▲	Direction button ,press to move up
16	◄	Direction button, press to move left
17	►	Direction button, press to move right
18	▼	Direction button, press to move down
19	ENTER	Enter button, press to select status
20	MENU	Display MENU screen
21	EXIT	ESC/EXIT, Press to exit current status; DVD menu button.
22	VGA	Analog RGB, VGA input
23	HDMI	HDMI input selection, also be switched between HDMI1 and HDMI2
24	VIDEO	Video input selection, also be switched between video 1 and video 2
25	USB	USB terminal
26	SOURCE	Source input signal selection
27	VOL+、VOL-	Sound Volume, increase and decrease
28	ZOOM	Increase or decrease the picture zoom size
29	SLEEP	Set the sleep time

NOTE: Functions related to PC will only work if internal PC is installed.
Functions related to DVD will only work if DVD module is installed.
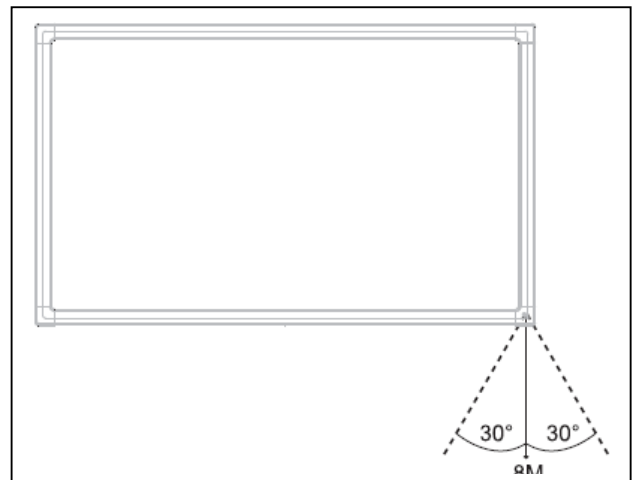
2 Remote Control Instruction

Insert the Batteries

1 Remove the cover on the rear of the remote control

2 Insert two "AAA" batteries

3 Place the cover
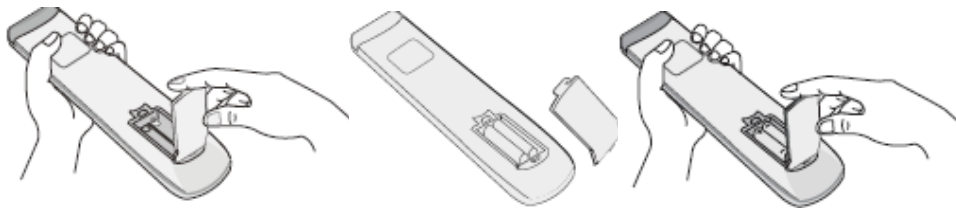
Remote control area

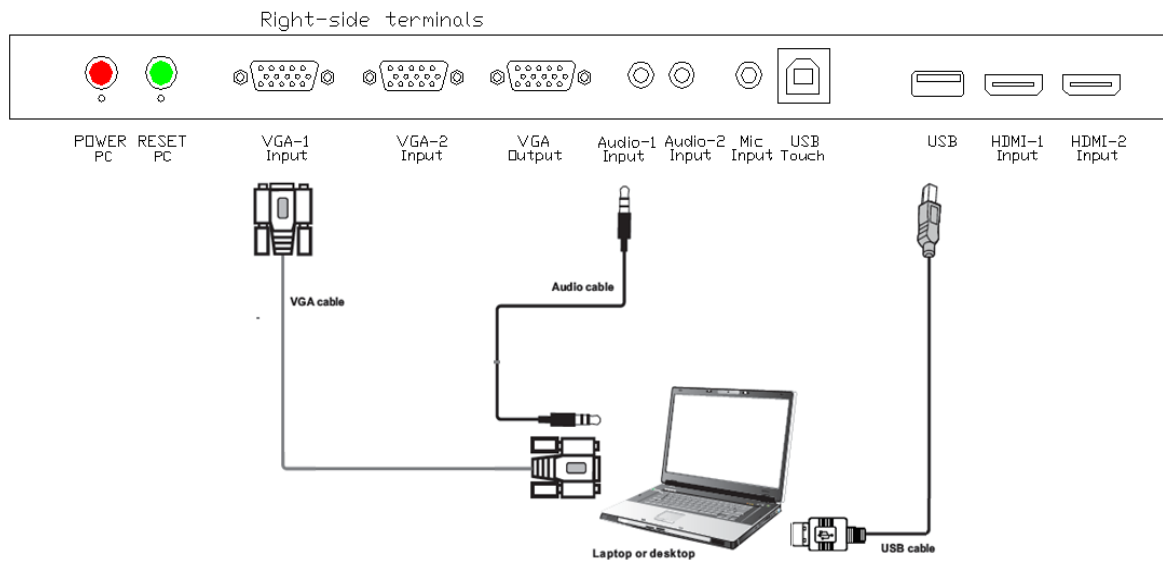The range of remote control receiver as shown

CAUTION

RISK OF DAMAGE IF BATTERY IS REPLACED WITH AN INCORRECT TYPE

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Connecting and Setting

For the safety of you and your unit, please do not connect any power source before the external device is installed

1 External Computer and Touch Connecting

(1) Connect a VGA cable (15pin) between the PC-VGA Input and Output of external PC. Connect an audio cable between the PC and display.
(2) Connect a USB cable between the external PC and USB terminal
(3) Plug-in the POWER cord and switch the display on.
(4) Start the external computer (Setup the touch driver).
(5) Press 1 (one) to turn the power on.
(6) Press INPUT and change source to PC.

2 A/V Connection

## 1).AV IN
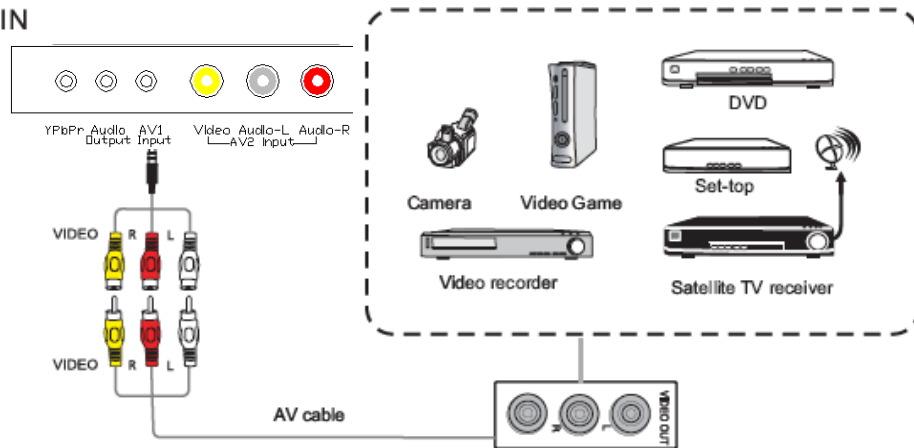
(1) Connect an AV cable between display and external device through the AV out().
    Yellow is Video, Red is Audio-R, White is Audio-L .
(2) Plug-in the POWER cord and turn ON the display.

(3) Press 1 (one) [image] to turn the power on located on the front of the display.

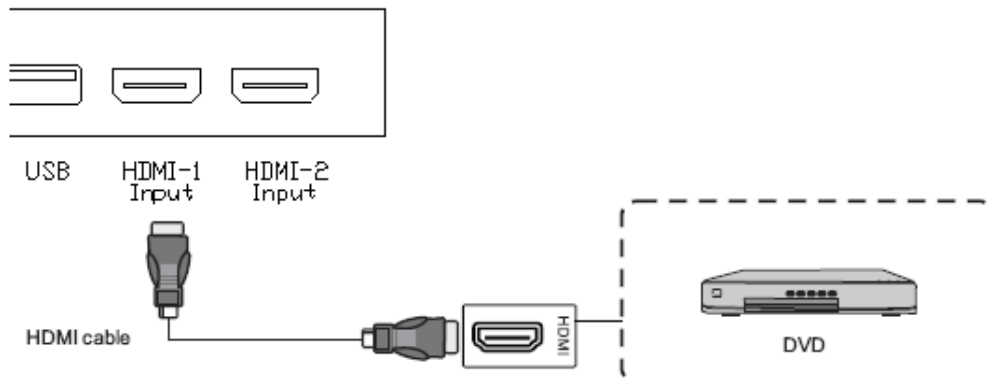(4) Press INPUT to change source to AV.

2).MIC IN

(1). Connect microphone to the MIC IN jack.

(2). Plug-in the POWER cord and switch it on from the rear panel.

(3). Press 1 (one) [image] to turn the power on.

3). Y-Pb-Pr
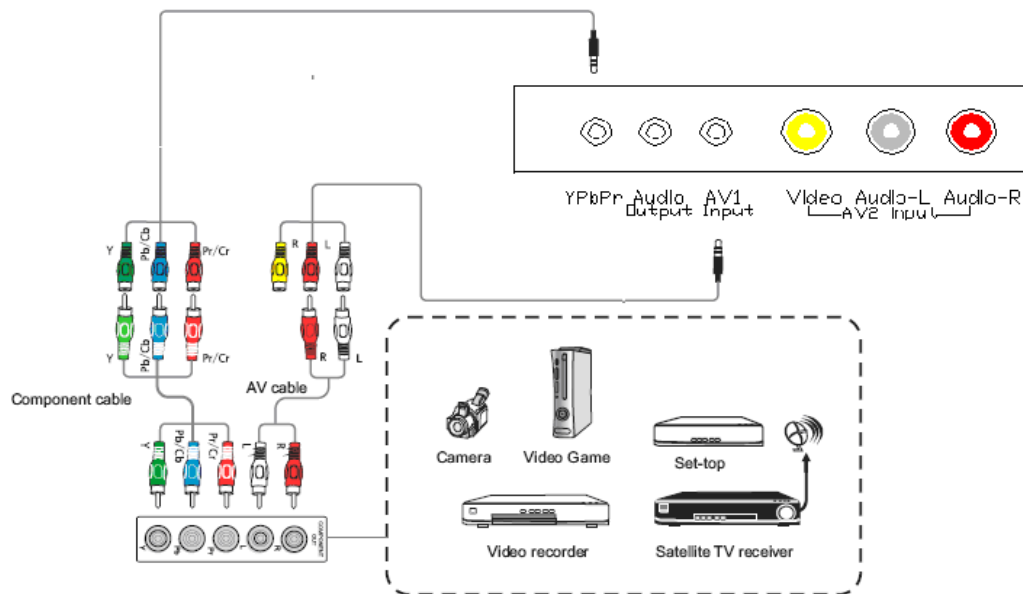
(1). Connect the Y-Pb-Pr cable between the display and an external device.

(2). Plug-in the POWER cord and switch it on from the rear panel.

(3). Press 1 (one) to turn the power on.

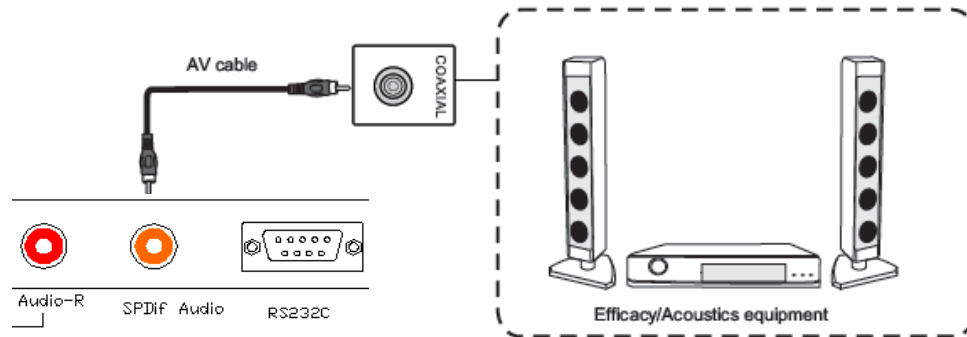(4). Press INPUT to change source to YPbPr.

4). HDMI1/ HDMI2

(1) Connect a HDMI cable from the display to an external device.

(2).Plug-in the POWER cord and switch it on from the rear panel.

(3) Press 1 (one) to turn the power on.

(4)Press INPUT to change source to HDMI.

3 Coaxial Connecting

AV cable

COAXIAL

Audio-R   SPDif Audio   RS232C

Efficacy/Acoustics equipment
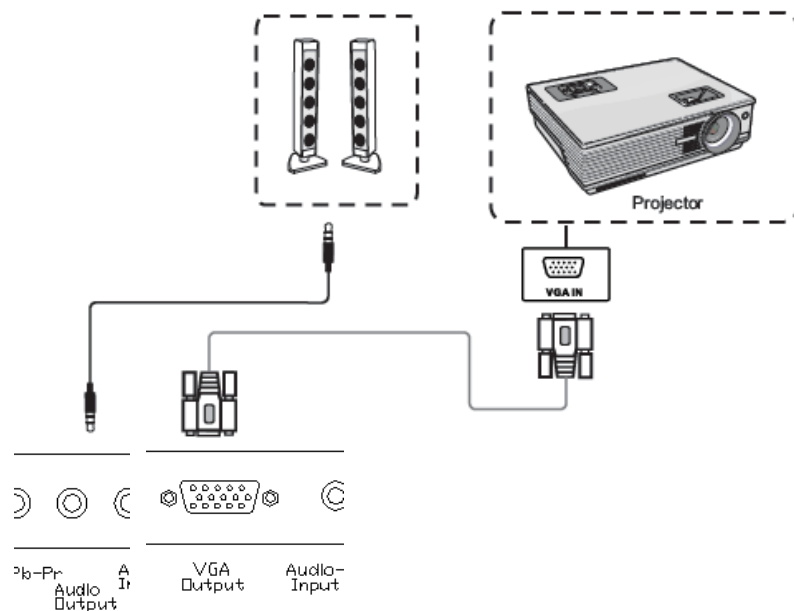
(1) Connect a Coaxial cable from display to an external device.

(2) Plug-in the POWER cord and switch it on from the rear panel.

(3) Press 1 (one) [image] to turn the power on

4 Video-OUT

1) VGA -OUT

Projector

VGA IN

Pb-Pr   A   VGA   Audio-
Audio   I   Output   Input
Output

(1) Connect a VGA cable from the display to an external device, Connect a Earphone cable
   from the display's audio-out to an external device.

(2) Plug-in the POWER cord and switch it on from the rear panel.

(3) Press 1 (one) [image] to turn power ON.

(4) Press INPUT to change source input to PC.

(5) Setup the VGA-OUT or Multi-Screen in the internal computer.

Note: VGA-OUT can only output the image from an internal computer

USB Device

USB cable

The network signal output like router etc.

Microphone

Network Cable

Audio cable

Mic Input   USB Touch

Mic Input   USB Touch

Mic Input   USB Touch
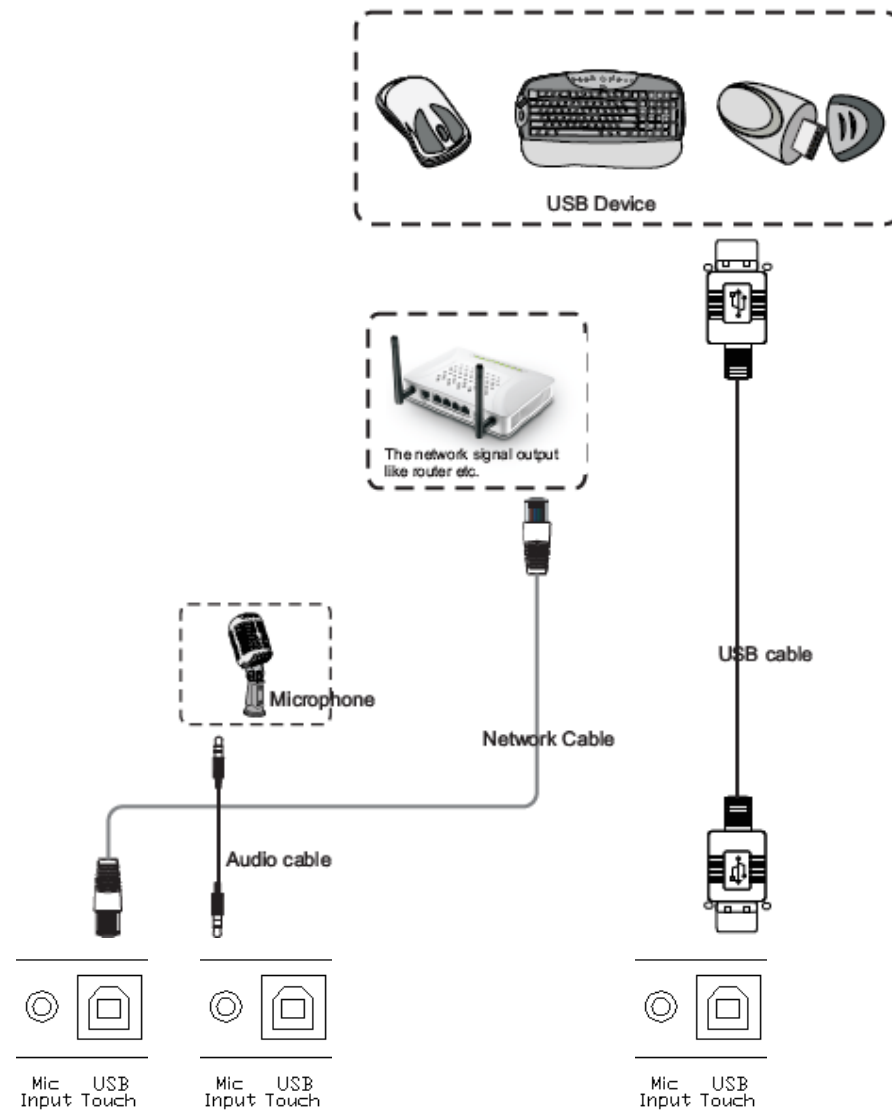
1 Network cable   2 Microphone Cable   3 USB Device

RS232 connection

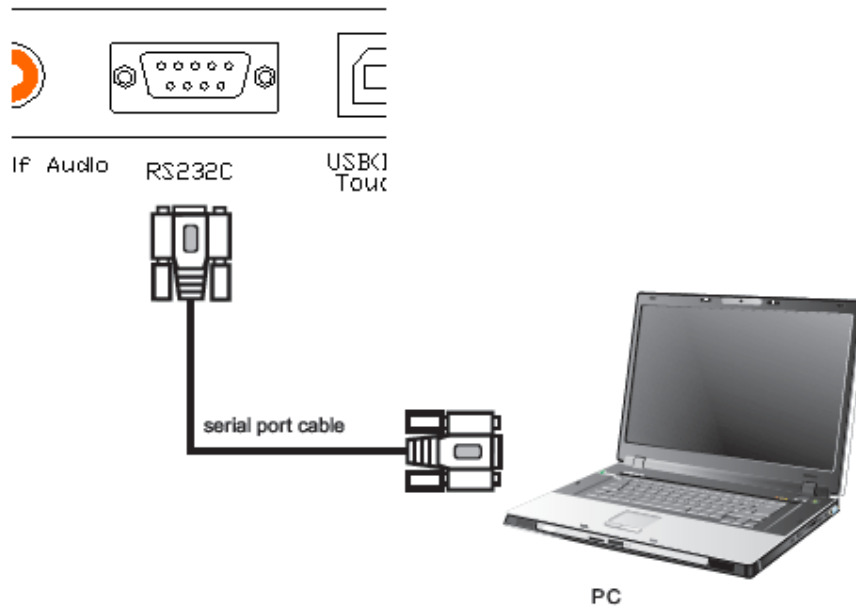After connecting the central control system and unit, you can use some of the function, such as power on/off or adjust the volume etc.

Internal PC basic operations:

1. Wait about 30 seconds after installing PC to back of the display, press POWER to turn on the TV and PC together;
2. While booting, press the POWER button, wait for 2 to 3 seconds and then press the power button again to turn off the TV and PC together;
3. Turn on the PC source, select "WINDOWS" on the lower left corner of the desktop or press the "WINDOWS" button on the remote control, and then select the "off", then, turn off the PC but keep the TV on.
4. Turn on TV, the state of the PC is off, it is possible to turn on the PC by pressing the INPUT button to select PC.
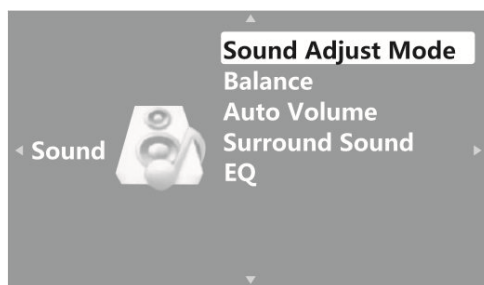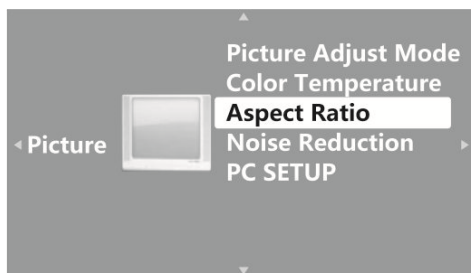
Internal PC unit (option) location

With the model which included the PC unit inside, the location of PC dock located at behind of the set.

OPS PC

OSD Operation

1. Press menu to display the main menu.
2. Use " **/** " key to navigate through the menu.

```
                        ▲
            Picture Adjust Mode
            Color Temperature
            Aspect Ratio
◂ Picture   Noise Reduction          ▸
            PC SETUP

                        ▼
```

↓

```
                        ▲
            Sound Adjust Mode
            Balance
            Auto Volume
◂ Sound     Surround Sound           ▸
            EQ

                        ▼
```

↓

```
                        ▲
            Clock
            Off Time
            On Time
◂ Time      Sleep Timer              ▸
            Auto Sleep

                        ▼
```

↓

```
                        ▲
            OSD Language English
            Restore Factory Default
◂ Option                             ▸

                        ▼
```
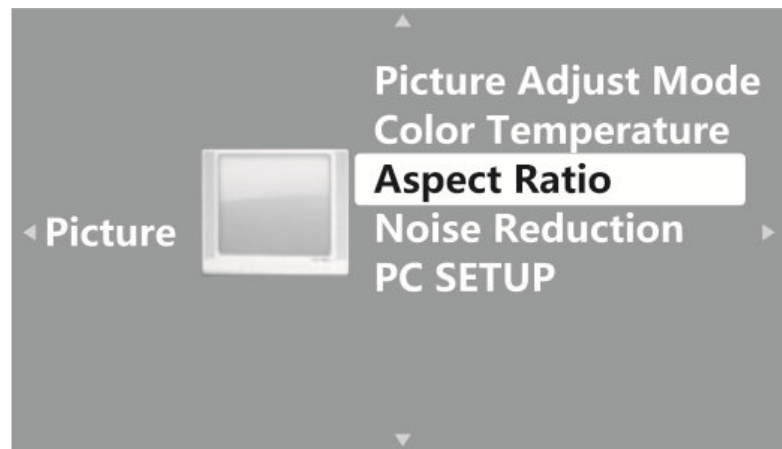
Source Menu

Select "Source Menu ", use "▲▼ to navigate of each feature press "OK" to make the selection.

Picture

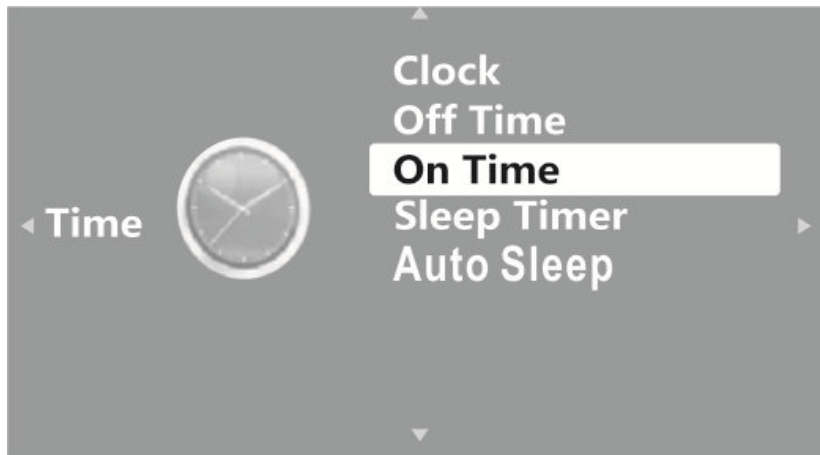1. Press "Menu" key access OSD menu, use " / " to select "Picture" menu.

2. Use "▲▼ to select "Picture Mode", access by "Enter" key, use " / " to select the picture mode.

3. Use "▲▼ to select "Color Temperature", access by "Enter" key, use " / " to select.

4. Use "▲▼ to select "Aspect Ratio 16:9", access by "Enter" key, use " / " to select.

5. Use "▲▼ to select "Noise Reduction", access by "Enter" key , use " / " to select.

6. Use "▲▼ to select "PC SETUP", access by "Enter" key ,use " / " to select.
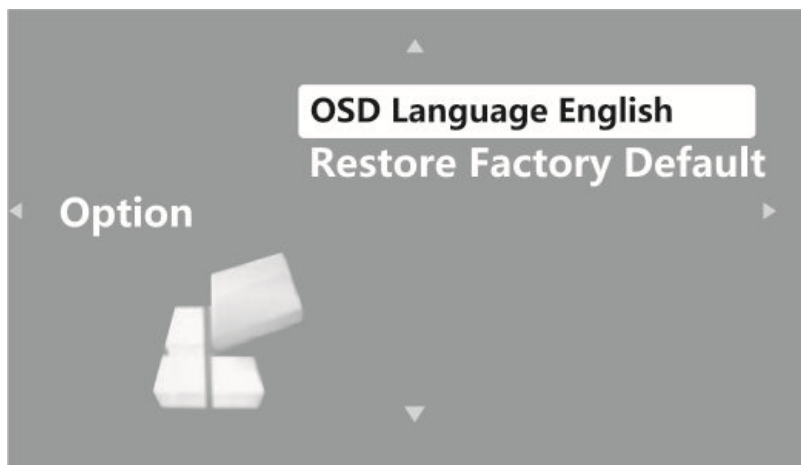
Press the "Menu" key to return.

Sound
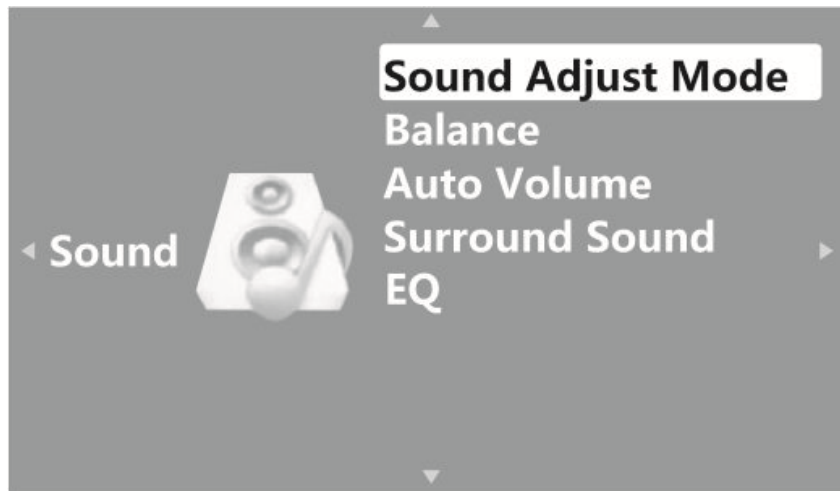
1. Press "Menu" key to access OSD menu, use " / " to select "Sound" menu.

2.Use "▲▼ to select "Sound Mode", access by "Enter" key, use " / " to choose the selection.

3.Use "▲▼ to select "Balance", access by "Enter" key, use " / " to choose the selection.

4.Use "▲▼ to select "Auto Volume", access by "Enter" key ,use " / " to choose the selection.

5.Use "▲▼ to select "Surround Sound", access by "Enter" key ,use " / " to choose the selection.

6.Use "▲▼ to select "SPDIF MODE", access by "Enter" key ,use " / " to choose the selection.

7.Use "▲▼ to select "EQ", access by "Enter" key ,use "▲▼ / " to choose the selection. Press the "Menu" key to return.

Time

1.Press "Menu" key to access OSD menu, use " / " to select "Time" menu.

2. Use "▲▼ to select "Time", access by "Enter" key ,use "▲▼ / " to set the time.

3. Use "▲▼ to select "Clock", access by "Enter" key ,use "▲▼ / " to set the clock time.

4. Use "▲▼ to select "Off Time", access by "Enter" key ,use "▲▼ / " to choose the selection.

5. Use "▲▼ to select "On Time", access by "Enter" key ,use "▲▼ / " to choose the selection.

6. Use "▲▼ to select "Sleep Timer", press "Enter" key to select on/off .
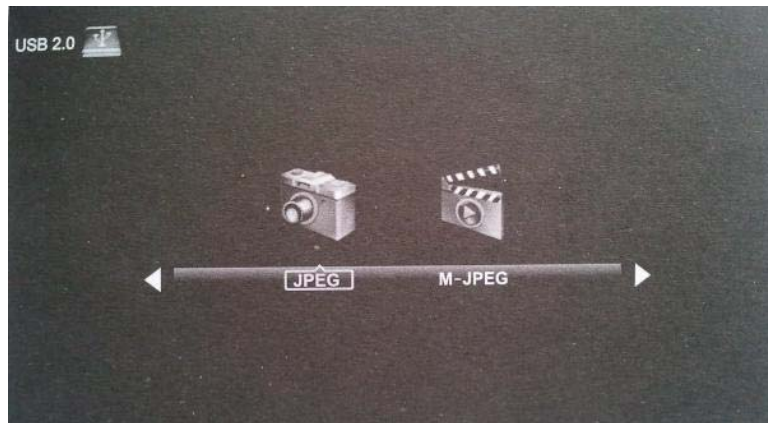   Press the "Menu" key to return.

Option

1.Press "Menu" key to access OSD menu, use " / " to select "Option" menu.

2. Use "▲▼ to select "OSD Language ", access by "Enter" key, use " / " to choose the selection.

3.Use "▲▼ to select "Restore Factory Default", access by "Enter" key, use " / " to
   choose necessary operation selection.

4. Use "▲▼ to select "Transparency", access by "Enter" key, use " / " to choose the selection.

5. Use "▲▼ to select "OSD Duration", access by "Enter" key, use " / " to choose the
   selection.   Press the "Menu" key to return.

USB

When USB module inserted,
the picture as like as right
appears indicating that the
module is accepted.

Picture : (play sounds too)

Use " / " key select "PHOTO" and "Enter", press"▲▼ / " choose the selections and "enter",
press "　" key to play .

Press "EXIT" key to return the menu.

"　" key to play or pause.

⏮ / ⏭　　　　Next/previous picture

⏹ :　　Stop playing and return to the menu.

Remark: press "▲▼ / " to choose the selection, enter by "enter" key.

MUSIC

Use " / " key select "MUSIC" and "Enter", press "▲▼ / " to choose the selection, enter by
"enter" key. Press "　" key to play.

Press "EXIT" key to return to the menu.

Use "　" key to play or pause.

⏮ /: ⏭ **Next/previous music**

⏪ /: ⏩ '**REW/FF key**

⏹ : Stop playing and return to the menu.

Remark: press "▲▼ / " to choose the selection, enter by "enter" key.

MOVIE

Use " / " key to select "MOVIE" and "Enter", press "▲▼ / " to choose the selection, enter by "enter" key.　Press " " key to play.
Press "EXIT" key to return the menu.
" " key to play or pause.

⏮ /: ⏭ Next/previous movie

⏪ /: ⏩ 'REW/FF key

⏹ : Stop playing and return to the menu.

Remark: Press "▲▼ / " to choose your selection, enter by "enter" key.

TEXT

Use "" key o select "TEXT" and "Enter", press "▲▼ / " to choose the selection, enter by "enter" key.　Press " " key to play.
**Press "EXIT" key to return the menu.**
" " key to play or pause.

⏮ /: ⏭ Next/previous movie

⏪ /: ⏩ 'REW/FF key

⏹ : Stop playing and return to the menu.

Remark: press "▲▼ / " to choose the selection, enter by "enter" key.

Trouble shooting

Remote control: no function	1.Check whether there is object between remote control and TV receiver.
	2. Check whether the batteries polarity in remote control is

	correct. 3. Check whether the batteries are exhausted.
The unit shuts down automatically	1. Check sleep function if operated. 2. Check whether there is a sudden power failure. 3. Check for the signal to system and control.

PC mode

No signal	1. Check display setting. 2. Check the resolution. 3. Adjust the Hs & Vs (synchronization) in the menu.
Background streaking	1 .Choose auto-adjust. 2. Adjust clock and phase.
False color	1. Check the VGA. 2. Adjust color, tint, brightness and contrast.
Non supported format	1. Choose auto adjust. 2. Adjust clock and phase.

Touch Function

No Touch Software installed	1. Check driver is installed correctly. 2. Re-install the driver software.
No Touch Function	1. Check setup and align it. 2. Reinstall driver software. 3. Check whether the touch pen is working properly.

Video not working properly

No picture/No sound	1. Check POWER status. 2. Check the signal cable. 3. Check the internal PC.
Pixelization	1. Check the signal cable. 2. Check for other electronics signal interferences.

| Poor picture | 1 .Adjust chroma, brightness and contrast in the menu. |
| | 2. Check the signal cable. |

Audio not working properly

No sound	1. Check the mute function if operated.
	2. Adjust sound volume.
	3. Check the audio cable.
One speaker	1. Adjust sound balance in the menu.
	2. Check the setting in sound control panel of computer.
	3. Check the audio cable.
VGA-OUT silence	1. Check for proper earphone connection.

Care and Maintenance

With proper care, your unit will provide you many years of service. Please follow these guidelines to ensure the maximum performance from your unit.

Cleaning

Unplug the unit from the wall outlet before cleaning or polishing it.
Do not use liquid or aerosol cleaners.
Use a cloth lightly dampened with water for cleaning the exterior of the unit.
Repeat occasionally if possible, Do not use or place liquids near or on the unit.

Don't use machine for a long time as like as 24H-7D operation.

Don't use system for long periods of time, please unplug unit when not in use,
To prevent system failures and power supply surges use power surge protector.

Display mode

1. Y-Pb-Pr (Y-Cb-Cr) Mode

Resolution / Display mode	Vertical frequency (Hz)
480P	60
480i	
576P	50
576i	
720P	50
	60
1080i	50
	60
1080P	50
	60

2. VGA Mode

Resolution / Display mode	Vertical frequency (Hz)
640*480	60
800*600	
1024*768	60
1280*800	
1920*1080	50
	60

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S/N:

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